

# Shaft Collars

## Split / Standard Type

Features: Post assembly collar installation makes maintenance easier compared to Set Screw Type (P.330) and Clamp Type (P.332).

**Shaft Collars – Split / Standard Type**

RoHS 10

Type	Material	Surface Treatment	Accessory
SCSP	1045 Carbon Steel or Equivalent	Black Oxide Coating	Hex Socket Head Cap Screw 2 pcs. (4137 Alloy Steel or Equivalent)
PSCSP	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Hex Socket Head Cap Screw 2 pcs. (4137 Alloy Steel or Equivalent)
SSCSP	304 Stainless Steel or Equivalent	—	Hex Socket Head Cap Screw 2 pcs. (304 Stainless Steel or Equivalent)
SCNPA	2000 Series Aluminum Alloy	—	Hex Socket Head Cap Screw 2 pcs. (304 Stainless Steel or Equivalent)
SCNPAW	2000 Series Aluminum Alloy	Clear Anodize	Hex Socket Head Cap Screw 2 pcs. (304 Stainless Steel or Equivalent)

\*D3–D25: C0.5  
D30–D60: C1  
D80 / D100: C1.5

① For Mount Hole Type, see P.337–338.  
 ② Threaded Insert Type of 2000 Series Aluminum Alloy P.349  
 ③ The halves must remain in the same orientation as shipped when in use.

Part Number	B	D <sub>1</sub>	M (Coarse Thread)	d	R	W	X	Y	1045 Carbon Steel or Equivalent		304 Stainless Steel or Equivalent		2000 Series Aluminum Alloy	
									Black Oxide Coating	Electroless Nickel Plating	—	—	Clear Anodize	
									SCSP	PSCSP	SSCSP	SCNPA	SCNPAW	
3	8	16	M3	3.4	3	1	4.5	2.2	•	•	•	•	•	•
4	8	18							•	•	•	•	•	•
5	8	20							•	•	•	•	•	•
5	*10	22	M4	4.5	3.75	1	5.5	3	•	•	•	•	•	
6	8	20	M3	3.4	3				•	•	•	•	•	
6	*10	20	M4	4.5	3.75				•	•	•	•	•	
8	8	25	M3	3.4	3	1	6	4	•	•	•	•	•	
8	*10	25	M4	4.5	3.75				•	•	•	•	•	
8	*12	25	M5	5.5	4.5				•	•	•	•	•	
8	*15	25	M6	6.6	6	1	9	5	•	•	•	•	•	
10	8	30	M3	3.4	3				•	•	•	•	•	
10	*10	30	M4	4.5	3.75				•	•	•	•	•	
10	*12	30	M5	5.5	4.5	1	10	6	•	•	•	•	•	
10	*15	30	M6	6.6	6				•	•	•	•	•	
12	*8	35	M3	3.4	3				•	•	•	•	•	
12	10	30	M4	4.5	3.75	1	11	6	•	•	•	•	•	
12	*12	30	M5	5.5	4.5				•	•	•	•	•	
12	*15	30	M6	6.6	6				•	•	•	•	•	
13	10	30	M4	4.5	3.75	1	10	5	•	•	•	•	•	
13	*12	34	M5	5.5	4.5				•	•	•	•	•	
13	*15	35	M6	6.6	6				•	•	•	•	•	
15	10	34	M4	4.5	3.75	1	11.5	6	•	•	•	•	•	
15	*12	35	M5	5.5	4.5				•	•	•	•	•	
15	*15	40	M6	6.6	6				•	•	•	•	•	
16	10	35	M5	5.5	4.5	1	12	6	•	•	•	•	•	
16	*12	35	M6	6.6	6				•	•	•	•	•	
16	*15	35	M6	6.6	6				•	•	•	•	•	
18	10	40	M5	5.5	4.5	1	13	8	•	•	•	•	•	
18	*12	40	M6	6.6	6				•	•	•	•	•	
18	*15	45	M6	6.6	6				•	•	•	•	•	
20	10	40	M5	5.5	4.5	1	14	7	•	•	•	•	•	
20	*12	40	M6	6.6	6				•	•	•	•	•	
20	*15	45	M6	6.6	6				•	•	•	•	•	
25	12	45	M5	5.5	4.5	1	15	8	•	•	•	•	•	
25	*15	45	M6	6.6	6				•	•	•	•	•	
25	*20	50	M6	6.6	6				•	•	•	•	•	
30	15	55	M6	6.6	6	1	20	10	•	•	•	•	•	
30	*20	55	M6	6.6	6				•	•	•	•	•	
30	*25	60	M8	9	7				•	•	•	•	•	
35	15	60	M6	6.6	6	2	23	12	•	•	•	•	•	
40	18	70	M8	9	7				•	•	•	•	•	
40	*22	85	M10	11	9				•	•	•	•	•	
60	*32	95	M16	18	13	5	32	16	•	•	•	•	•	
80	*32	130	M16	18	13				•	•	•	•	•	
100	*36	150	M16	18	13				•	•	•	•	•	

① \* marked sizes are not available for SCNPA or SCNPAW type.

Part Number Example

Part Number	-	B
SCSP10	-	15
SCNPA15	-	10

### Size Comparison Table

D	Size Differences		Compact (P.355)		Standard	
	B (Thickness)	D <sub>1</sub> (Outer Dia.)	B (Thickness)	D <sub>1</sub> (Outer Dia.)	B (Thickness)	D <sub>1</sub> (Outer Dia.)
5	-2	-4	6	16	8	20
6	-2	-2	6	18	8	20
8	-2	-3	6	22	8	25
10	-2	-5	6	25	8	30
12	-2	-5	6	25	8	30
13	-2	-2	8	28	10	30
15	-2	-4	8	30	10	34
16	-2	-5	8	30	10	35
20	-2	-5	8	35	10	40
25	-2	-3	10	42	12	45
30	-3	-5	12	50	15	55
35	-3	-5	12	55	15	60
40	-6	-10	12	60	18	70
50	-4	-5	18	80	22	85

# Shaft Collars

## Split / Compact Type / Split / Balanced Type

Features: Smaller by up to 33% in width (B dimension) and 14% in O.D. (D<sub>1</sub> dimension) than Standard Type (P.334).

**Shaft Collars – Split / Compact Type**

RoHS 10

Type	Material	Surface Treatment	Accessory
SCSPJ	1045 Carbon Steel or Equivalent	Black Oxide Coating	Hex Socket Head Cap Screw 2 pcs. (4137 Alloy Steel or Equivalent)
PSCSPJ	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Hex Socket Head Cap Screw 2 pcs. (4137 Alloy Steel or Equivalent)
SSCSPJ	304 Stainless Steel or Equivalent	—	Hex Socket Head Cap Screw 2 pcs. (304 Stainless Steel or Equivalent)

\*D5–D25: C0.5  
D30–D50: C1

① For Mount Hole Type, see P.337–338.  
 ② Threaded Insert Type of 2000 Series Aluminum Alloy P.349  
 ③ The halves must remain in the same orientation as shipped when in use.

Part Number	Type	D	B	D <sub>1</sub>	M Coarse Thread	d	R	W	X	Y	1045 Carbon Steel or Equivalent		304 Stainless Steel or Equivalent		
											Black Oxide Coating	Electroless Nickel Plating	—	—	
Compact Type SCSPJ PSCSPJ SSCSPJ	5	6	6	16	M2.6	2.9	2.45	1	5.5	3	•	•	•	•	
											•	•	•	•	
											•	•	•	•	
											•	•	•	•	
											•	•	•	•	
	6	8	25	8	30	M3	3.4	3	1.5	11	4	•	•	•	•
												•	•	•	•
												•	•	•	•
												•	•	•	•
												•	•	•	•
	8	10	42	10	50	M4	4.5	3.75	2	16.5	5	•	•	•	•
												•	•	•	•
												•	•	•	•
												•	•	•	•
												•	•	•	•
10	12	55	12	60	M5	5.5	4.5	3	22.5	6	•	•	•	•	
											•	•	•	•	
											•	•	•	•	
											•	•	•	•	
											•	•	•	•	
12	18	80	18	80	M8	9	7	3	32	15	•	•	•	•	
											•	•	•	•	
											•	•	•	•	
											•	•	•	•	
											•	•	•	•	

Features: Suitable for rotating applications since the collars are weight balanced. Included hexagon socket head cap screws are coated with thread locking compound.

**Shaft Collars – Split / Balanced Type**

RoHS 10

Type	Material	Surface Treatment	Accessories
SCSPB	1045 Carbon Steel or Equivalent	Black Oxide Coating	Hex Socket Head Cap Screw 2 pcs. (4137 Alloy Steel or Equivalent)
PSCSPB	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	Hex Socket Head Cap Screw 2 pcs. (4137 Alloy Steel or Equivalent)
SSCSPB	304 Stainless Steel or Equivalent	—	Hex Socket Head Cap Screw 2 pcs. (304 Stainless Steel or Equivalent)

\*D16–D25: C0.5  
D30–D50: C1

① For Mount Hole Type, see P.337–338.  
 ② Threaded Insert Type of 2000 Series Aluminum Alloy P.349  
 ③ The halves must remain in the same orientation as shipped when in use.

Part Number	Type	D	B	D <sub>1</sub>	M (Coarse Thread)	d	R	W	X	Y	1045 Carbon Steel or Equivalent		304 Stainless Steel or Equivalent		
											Black Oxide Coating	Electroless Nickel Plating	—	—	
Balanced Type SCSPB PSCSPB SSCSPB	16	12	10	35	M5	5.5	4.5	1.5	12	6	•	•	•	•	
											•	•	•	•	
											•	•	•	•	
	17	12	10	40	M5	5.5	4.5	1.5	14	7	7	•	•	•	•
												•	•	•	•
												•	•	•	•
	20	12	10	45	M6	6.6	6	1.5	15	8	8	•	•	•	•
												•	•	•	•
												•	•	•	•
	25	15	10	50	M6	6.6	6	2	17	7	7	•	•	•	•
												•	•	•	•
												•	•	•	•
	30	15	10	55	M8	9	7	2	20	10	10	•	•	•	•
												•	•	•	•
												•	•	•	•
35	15	10	60	M6	6.6	6	2	23	12	12	•	•	•	•	
											•	•	•	•	
											•	•	•	•	
40	18	10	70	M8	9	7	3	26	13	13	•	•	•	•	
											•	•	•	•	
											•	•	•	•	
50	22	10	85	M10	11	9	3	32	16	16	•	•	•	•	
											•	•	•	•	
											•	•	•	•	

### Comparison Table of Weight Differences

Type	Part Number	D	B	Body Weight (g)			Weight with Screws (g)		
				Top Half	Bottom Half	Weight Difference	Top Half	Bottom Half	Weight Difference
SCSP	Standard	25	12	45	40	5	48	45	3
		40	18	141	163	22	162	173	11
SCSPB	Balanced Type	25	12	43	43	0	47	47	0
		40	18	152	152	0	167	167	0